BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Ganeshanagara Layout Main Road and Cross Road in Ward No. 09, Vidyaranyapura Sub Division.**

			Estimate Cost:					1720000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 150/ Item No. 19.1/ PWD SR 2012-13**	Cum							
	Desilting of Drains								
	6th D Main Road		2	140.00	0.45	0.30	37.80		
	7th A Main Road		2	140.00	0.45	0.30	37.80		
	8th A Main Road		2	140.00	0.45	0.30	37.80		
	4th Cross Road		4	30.00	0.45	0.30	16.20		
	11th Cross Road		2	150.00	0.45	0.30	40.50		
			2	95.00	0.45	0.30	25.65		
	Berm Cutting								
	6th D Main Road		2	140.00	0.90	0.30	75.60		
	7th A Main Road		2	140.00	0.90	0.30	75.60		
	8th A Main Road		2	140.00	0.90	0.30	75.60		
	4th Cross Road		4	30.00	0.90	0.30	32.40		
	11th Cross Road		2	150.00	0.90	0.30	81.00		
			2	95.00	0.90	0.30	51.30		
							587.25	58.32	**34248.00**
	Basic Rate	54.00							
	Area Weightage @8%	4.32							
	Total	**58.32**							
2	Removing B.S. Slab Drain and stacking **(P.28/I.5.32 PWD SR - 2012-13)**	Sqm							
			2	95.00		1.35	256.50		
			2	90.00		1.35	243.00		
			2	80.00		1.35	216.00		
			2	85.00		1.35	229.50		
			2	75.00		1.35	202.50		
			2	60.00		1.35	162.00		
							1309.50	44.47	**58239.00**
	Basic Rate	41.18							58233
	Area Weightage @8%	3.29							
	Total	**44.47**							
3	Refixing stone slabs of drains and pointing in CM (1:3) **(P.28/I.5.33 PWD SR - 2012-13)**	Sqm							82499
			Vide Item No.2				**1309.50**	63.00	**82494.00**
	Basic Rate	58.33							
	Area Weightage @ 8%	4.67							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**63.00**							
4	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 156 / Item No. 19.51/ PWD SR 2012-13**	Sqm							
	6th D Main Road		1	140.00	4.50		630.00		
	7th A Main Road		1	140.00	4.50		630.00		
	8th A Main Road		1	140.00	4.50		630.00		
	4th Cross Road		2	30.00	4.00		240.00		
	11th Cross Road		1	150.00	4.50		675.00		
			1	95.00	4.50		427.50		
							3232.50	35.91	**116079.00**
	Basic Rate	33.25							
	Area Weightage @ 8%	2.66							
	Total	**35.91**							
5	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.167/I.20.18) PWD SR - 2012-13.**	Cum							
	6th D Main Road		1	140.00	4.50	0.15	94.50		
	7th A Main Road		1	140.00	4.50	0.15	94.50		
	8th A Main Road		1	140.00	4.50	0.15	94.50		
	4th Cross Road		2	30.00	4.00	0.15	36.00		
	11th Cross Road		1	150.00	4.50	0.15	101.25		
			1	95.00	4.50	0.15	64.13		
							484.88	1059.48	**513715.00**
	Basic Rate	981.00							513720
	Area Weightage @ 8%	78.48							
	Total	**1059.48**							
6	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.172 / I.21.1) PWDSR 2012-13**	Sqm							
	6th D Main Road		1	140.00	4.50		630.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	7th A Main Road		1	140.00	4.50		630.00		
	8th A Main Road		1	140.00	4.50		630.00		
	4t[redacted]ross Road		2	30.00	4.00		240.00		
	11th Cross Road		1	150.00	4.50		675.00		
			1	95.00	4.50		427.50		
							3232.50	9.29	**30023.00**
	Basic Rate	8.60							30030
	Area Weightage @ 8%	0.69							
	Total	**9.29**							
7	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 172/ Item No. 21.6/ PWD SR 2012-13**	Sqm							
			Qty Vide Item No. 4				3232.50		
							3232.50	39.64	**128123.00**
	Basic Rate	36.70							128136
	Area Weightage @ 8%	2.94							
	Total	**39.64**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175/ Item No. 21.20.1/ PWD SR 2012-13**	Cum							
	6th D Main Road		1	140.00	4.50	0.025	15.75		
	7th A Main Road		1	140.00	4.50	0.025	15.75		
	8th A Main Road		1	140.00	4.50	0.025	15.75		
	4th Cross Road		2	30.00	4.00	0.025	6.00		
			1	150.00	4.50	0.025	16.88		
			1	95.00	4.50	0.025	10.69		
							80.81	8829.00	**713494.00**
	Basic Rate	8175.00							713471.5
	Area Weightage @ 8%	654.00							
	Total	**8829.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum					✓	✓	
			Vide Item No. 1				587.25	72.71	42696.00
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								42699
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12	✓						
	Add loading and unloading Vide item no.17.1 P.no.141	62.20	✓						
		67.32	✓						
	Area Weightage @ 8%	5.39	✓						
	Total	**72.71**	✓						
									885
10	Miscellaneous and other Charges	L/S							889.00
								Total	**1720000.00**
(Rs. Seventeen Lakhs Twenty Thousand Only)									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs .....
Rupees seventeen lakh twenty thousand only
Under PWD - 20/2/13
P. 1771
Registered as EE ( ) No. 3 9
Subject to conditions contained in enclosed memo EE ( ) No. 386 /13
Dt 7.1.13 Estimate A/Sanctioned
JC A/A No. 386/12-13
dated 7.1.13 Rs 17.20 lakh

Technical Sanction for Rs. 17.20 lakh
Seventeen lakh twenty thousand only
under PWD - 20/2/13
P. 1771
registered as EE No: 356 / 12-13, Subject to conditions contained enclosed memo.
No: 356 / 12-13 Dt. 10.1.13
HSP
AE/JE
10.1.2013 EE (BTP. Div.)

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.